Java questions

For Sure Please do Poc for Saga Pattern, Circuit breaker pattern and Kafka

**publicis sapient**  
can we declare abstract keyword with out abstract method for a class  
  
how set ensure duplicates are not adding to hashset is it checking equals or == while adding to put  
  
internal implementation of hashmap and whats the output if we are allowing duplicate keys or values to hashmap  
  
public void main signature  
  
differences between Optional.of and Optional.Nullable method in java 8  
  
items in priority queue entered in which order  
  
idempotent means  
  
autowired by type  
  
in heap element with greatest key is always in which node  
  
differences between map and flatmap  
  
**Global logic**  
  
query to know all the managers and corresponding employees in employee table  
  
solid principles  
  
design patterns  
  
differences between setter and constructor injection which one is preferred and why  
  
differences between singleton and prototype scope  
  
can we configure repository to service and what happens if we create multiple object to singleton is it going to create more than  
one instance  
  
**Blume global**  
Minimum number of coins that can generate all the values in the given range - java program  
  
about stale exception in hibernate  
  
what are the disadvantages observed in hibernate framework  
  
Is it possible to store same key with different values in Hashmap  
  
How do we improve performance of collections  
  
Why scp  
  
Hibernate commit evict flush transaction property isolation and progagataion  
  
Is really parallel streams applicable for both synchronised and non synchronised java collections  
  
In which instances we are creating prototype scopes in spring rather than singleton  
  
  
  
customer - id,name,location,address,contact,email,noOfEmployees,mobileno  
  
1,jondoe  
2,jane  
3,bob  
  
product - id,name,color,length,width,height,vendor,price,discount,category  
  
1,bat,200$  
2,ball,55$  
3,gloves,20$  
  
order - id,productid,customerid,vendor,price,address  
  
1,1,1  
2,1,2  
3,1,1  
  
  
  
that shows all customers and their order amount  
  
  
select \* from customers c, order o, product p  
 where o.productid  
  
  
  
  
book, bkoo, oobk  
ifExists(facebook, book)  
ifExists(facebook, bkoo)  
4  
  
  
Boobook, bkoo  
  
  
ifExists(str1, str2)  
ifAnagram(string, string)  
  
that shows all customers and their order amount  
  
  
class Anagarams{  
  
  
 static boolean isAnagram(String mainString, String subString){  
  
 ifExists(mainString,subString){  
 return true;  
 }  
 }  
  
  
 static boolean ifExists(String mainString, String subString){  
  
  
 if()  
  
  
 }  
  
  
  
 public static void main(String args[]){  
  
 Scanner scanner = new Scanner(System.in);  
 Scanner scanner = new Scanner(System.in);  
  
  
 String mainString = sc.nextLine();  
 String[] subStrings = sc.nextLine();  
  
 for(String subString: subStrings){  
 boolean result = isAnagram(mainString, subString);  
  
 if(result){  
 System.out.println(subString + "is anagram")  
 }  
  
  
 }  
  
  
 }  
}  
  
 for(String s : subStrings){  
  
 subChar = s.toCharArray();  
  
 for(Char sub: subChar){  
  
 int count = 0;  
  
 for(Char main:mainChar){  
  
 if(main == sub ){  
  
 count++;  
 }  
  
 if(count == sub.lenght){  
 System.out.println(s+ "is anagram")  
 }  
  
 }  
  
  
  
 }  
  
  
  
  
  
 }  
  
  
**epam**  
stack overflow error  
  
  
synchronised and concurrent hashmap  
  
  
what is stackoverflowerror and when it will come  
  
  
fail fast and fail safe  
  
functional and marker interfaces  
  
sort 0 and 1  
  
recursion for fibonacci  
  
  
  
1. Decomposition Patterns  
 a. Decompose by Business Capability  
 b. Decompose by Subdomain  
 c. Strangler Pattern  
2. Integration Patterns  
 a. API Gateway Pattern  
 b. Aggregator Pattern  
 c. Client-Side UI Composition Pattern  
3. Database Patterns  
 a. Database per Service  
 b. Shared Database per Service  
 c. Command Query Responsibility Segregation (CQRS)  
 d. Saga Pattern  
4. Observability Patterns  
 a. Log Aggregation  
 b. Performance Metrics  
 c. Distributed Tracing  
 d. Health Check  
5. Cross-Cutting Concern Patterns  
 a. External Configuration  
 b. Service Discovery Pattern  
 c. Circuit Breaker Pattern  
 d. Blue-Green Deployment Pattern  
  
  
**Zemoso**

<https://www.nitinagrawal.com/zemosointerview.html>

**Dmart & Model N**

How to implement LRU Cache using java which collection is very good for that hashmap or hashset or which collection.

Which is good if we are inserting null values

How to form three letter word from array and check whether its valid word or not using existing dictionary api

How to implement service discovery using spring Netflix eureka

<https://howtodoinjava.com/spring-cloud/spring-cloud-service-discovery-netflix-eureka>

how to implement dynamic environment vaiables in such a way whenever we add any environmental variables we shouldn’t restart the server